

The Year in Infrastructure Conference 2018

Siemens and Bentley Systems Announce Integrated Asset Performance Management (APM) Solution for Power Plants

- **Combines Bentley's advanced asset performance software capabilities and Siemens' complementary power generation expertise**
- **Delivers enhanced equipment availability, reliability, and cost efficiency**

Siemens and Bentley Systems have announced a joint technology and service solution, consisting of their complementary offerings, to speed up the digitalization of power plants and provide intelligent analytics with a range of innovative offerings and managed services solutions. The new service, to be hosted on Siemens' cloud-based open IoT operating system, MindSphere, will combine Bentley's advanced asset performance software capabilities with Siemens' complementary technology and service expertise to empower power plant owners to take full advantage of digitalization, which helps improve maintenance operations and planning.

Siemens' asset performance management (APM) solution, part of the company's Omnivise digital solutions portfolio, covers the entire power plant, including the combustion and steam turbines as well as associated generators and pumps, motors, transformers, valves, switchgears, and other equipment that affects plant reliability and performance. Using intelligent models based on predictive analytics, the solution takes data from multiple sources, applies domain and analytical expertise, and then seamlessly integrates into a customer's existing Computerized Maintenance Management System (CMMS)/Enterprise Asset Management (EAM)

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**Joint press Release
by Siemens and Bentley Systems**

environment to improve maintenance planning, reduce outages, and increase workforce efficiency.

APM service solutions are tailored to each organization's unique needs, based on variable factors such as plant configuration, on-site resources, equipment expertise, and plant operations and maintenance strategy. The scope of options ranges from on-premises installation or cloud-based MindSphere hosting, to turnkey set-up of APM – complete with Siemens asset models – to APM as a service, with a fully integrated managed service solution set up and run remotely by Siemens power plant experts.

Laura Anderson, head of the Siemens Power Generation Services Controls & Digitalization business said, "APM for Power Plants is evidence of the benefits this strategic alliance brings to our customers. By combining Siemens' and Bentley's complementary and proven areas of expertise, this innovative offering will help our customers manage costs, improve reliability, and increase the performance and availability of their thermal power infrastructure."

Greg Bentley, CEO, Bentley, said, "We're excited to be delivering, in this case for power plant owners, operational advantages made uniquely possible by our work with Siemens to leverage IoT and performance digital twins. In effect, we are together advancing APM towards asset performance *modeling*—where our engineering technologies (ET) compound the value of IT and operations technologies (OT)."



APM for Power Plants combines Bentley's advanced asset performance software capabilities with Siemens' industry and domain expertise.

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About Siemens

Siemens AG (Berlin and Munich) is a global technology powerhouse that has stood for engineering excellence, innovation, quality, reliability and internationality for 170 years. The company is active around the globe, focusing on the areas of electrification, automation and digitalization. One of the world's largest producers of energy-efficient, resource-saving technologies, Siemens is a leading supplier of efficient power generation and power transmission solutions and a pioneer in infrastructure solutions as well as automation, drive and software solutions for industry. With its publicly listed subsidiary Siemens Healthineers AG, the company is also a leading provider of medical imaging equipment – such as computed tomography and magnetic resonance imaging systems – and a leader in laboratory diagnostics as well as clinical IT. In fiscal 2017, which ended on September 30, 2017, Siemens generated revenue of €83.0 billion and net income of €6.2 billion. At the end of September 2017, the company had around 377,000 employees worldwide. Further information is available on the Internet at www.siemens.com.

About Bentley Systems

Bentley Systems, Incorporated is a global leader dedicated to providing engineers, architects, geospatial professionals, constructors, and owner-operators with comprehensive software solutions for advancing infrastructure. Founded in 1984, Bentley has more than 3,500 colleagues in over 50 countries, and is on track to surpass an annual revenue run rate of \$700 million during 2018. Since 2012, Bentley has invested more than \$1 billion in research, development, and acquisitions. www.bentley.com